

**REMARKS**

Claims 1-20 are pending in this application and have been allowed.

Claims 1-13 and 15-20 have been amended as shown above.

The Applicant has amended various claims to correct antecedent basis issues, grammatical errors, and other issues noted by the Applicant. For example, Claims 12 and 19 previously recited “the bias circuit” even though “a bias circuit” was not recited in those claims or their base claims. The amendments to the claims resolve these issues and other issues.

The term “formed” has been replaced by the term “located” since the term “formed” implies a method step of forming a structure, while the term “located” implies a structural feature related to location. The structural feature is more appropriate in the apparatus and system claims, and even in the method claims.

Claim 8 has been amended to replace the “collocating” and “forming” steps with two “providing” steps. The structural recitations in Claim 8 remain. The mixture of manufacturing steps (“collocating” and “forming”) with use steps (“performing” and “biasing”) has been eliminated since an end user can “provide” the structures recited in Claim 8. Claim 8 also continues to recite the collocation of junction diodes on a common substrate.

If any issues arise or if the Examiner has any suggestions for expediting allowance of this application, the Applicant respectfully invites the Examiner to contact the undersigned at the telephone number indicated below or at *wmunck@munckcarter.com*.

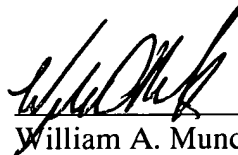
The Commissioner is hereby authorized to charge any fees connected with this communication (including any extension of time fees) or credit any overpayment to Deposit Account No. 50-0208.

Respectfully submitted,

MUNCK CARTER, LLP

Date:

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